

INTERNATIONAL SEARCH REPORT

Internat Application No
PCT/IB 03/02433

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23B4/052 A23B4/044 A23B4/01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23B A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 035 770 A (WHITEFIELD ROBERT) 14 March 2000 (2000-03-14) column 2, line 15-24, 57-67 column 3, line 1-7, 26, 61-66	1
A	claims 1, 2, 5, 6, 13-15	5-8
Y	column 3, line 61-66; figure 1 ---	2, 3
X	EP 0 596 573 A (TNO) 11 May 1994 (1994-05-11) column 1, line 1-9 column 2, line 43-57	1
A	column 3, line 1-27, 48-56	4-8
Y	column 5, line 30-34; figure 1 ---	2, 3
Y	FR 2 655 516 A (SODICOOK INTERNATIONAL) 14 June 1991 (1991-06-14) page 1, line 27 - page 2, line 12 page 4, line 23-34 ---	2, 3
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

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L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

9 October 2003

Date of mailing of the international search report

21/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 596 381 A (SPENCER DOTY) 13 May 1952 (1952-05-13) column 4, line 12,30-75 ---	1
A	US 3 721 177 A (BOOKER W) 20 March 1973 (1973-03-20) column 2, line 45-53; figure 1 ---	1-8
A	RU 2 067 834 C (PROIZV OB EDINENIE VOLOGODSKIJ) 20 October 1996 (1996-10-20) abstract; figure 1 ---	1-8
A,P	WO 03 055319 A (ANDERSON KEVIN;HYDRAFLOW IND LTD) 10 July 2003 (2003-07-10) figures 1,2,4 page 2 -----	1-8

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6035770	A	14-03-2000	NONE	
EP 0596573	A	11-05-1994	NL 9201915 A EP 0596573 A1	01-06-1994 11-05-1994
FR 2655516	A	14-06-1991	FR 2655516 A1	14-06-1991
US 2596381	A	13-05-1952	NONE	
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RU 2067834	C	20-10-1996	RU 2067834 C1	20-10-1996
WO 03055319	A	10-07-2003	WO 03055319 A1	10-07-2003